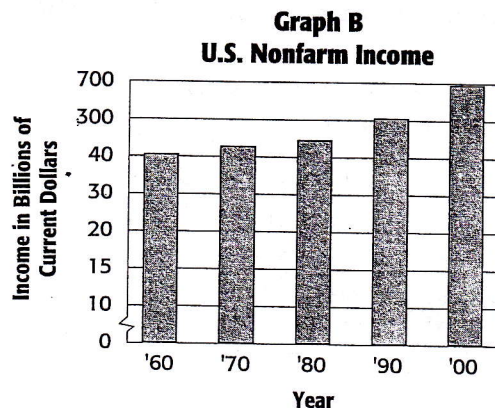
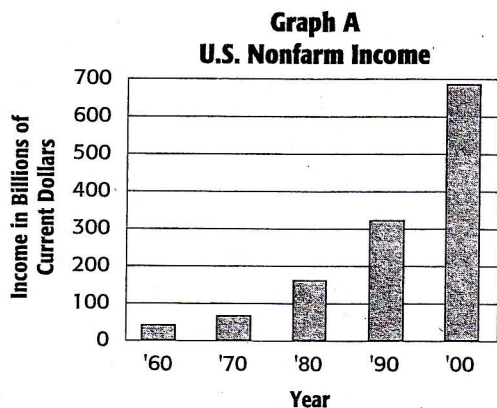


2-8**Practice: Skills**
Misleading Statistics

1. **INCOME** The bar graphs below show the total U.S. national income (nonfarm). Which graph could be misleading? Explain.



GEOGRAPHY For Exercises 2-4, use the table that shows the miles of shoreline for five states.

Miles of Shoreline	
State	Length of Shoreline (mi)
Virginia	3,315
Maryland	3,190
Washington	3,026
North Carolina	3,375
Pennsylvania	89

- Find the mean, median, and mode of the data.
- Which measure of central tendency is misleading in describing the miles of shoreline for the states? Explain.
- Which measure of central tendency most accurately describes the data?

2-8**Practice: Word Problems****Misleading Statistics**

QUIZ SCORES For Exercises 1 and 2, use the data shown in the table below. The table shows the quiz grades for Ms. Andrey's and Mr. Luna's classes.

Quiz Scores	
Ms. Andrey's Class	Mr. Luna's Class
10	20
15	20
25	25
25	29
12	26

BOOK SALES For Exercises 3 and 4, use the table below. It shows the number of books sold each day for 20 days.

Book Sales Per Day			
23	18	23	15
24	16	0	11
19	10	13	17
12	23	11	16
36	24	12	27

1. Ms. Andrey claims the average score on a quiz in her class was 25. Mr. Luna claims the average score on a quiz in his class is 25. Explain how they arrived at these figures.

2. What additional information could be useful in analyzing the data?

3. Find the mean, median, and mode of the data. Which measure of central tendency would be misleading in describing the book sales? Explain.

4. Which value would most accurately describe the data? Explain.